

MMF-12J24DS-CP1 Mitsubishi 24VDC 120x120x38mm 3-Wire Axial Fan Datasheet



Brand: Mitsubishi

SKU: [687954576221](#)

Category: Axial & Centrifugal Fans

Price: **\$45.99**

E-mail: sales@equipspares.com

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Product Description

The Mitsubishi MMF-12J24DS-CP1 is a precision-engineered DC axial fan designed for critical thermal management in industrial electronics. Utilizing advanced ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Engineered for reliability, it features a robust 3-wire interface for speed monitoring, making it ideal for variable frequency drives and power conversion systems.

Model Number: MMF-12J24DS-CP1

Brand: Mitsubishi Electric

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.33 A

Power: 7.92 W

Rated Speed: 3250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m³/h / 2.97 m³/min)

Max. Static Pressure: 8.50 mmH₂O (83.36 Pa / 0.33 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 260 g

Life Expectancy: 60000 Hours @ 40°C

Termination: 3-Wire Leads

Sensor Type: Tachometer (Frequency Generator)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Protection: Locked Rotor, Reverse Polarity

Application: Inverter Cooling, Server Cabinets

The MMF-12J24DS-CP1 is specifically engineered for high-reliability industrial applications, serving as a primary cooling solution for variable frequency drives (VFDs) and servo amplifiers. Its robust design makes the MMF-12J24DS-CP1 suitable for server rack ventilation, telecommunications cabinets, and CNC control systems where consistent airflow is critical to prevent component overheating. Additionally, this model is frequently utilized in power supply units and medical instrumentation requiring precise thermal regulation.

Supplemental Images

